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(74) Agents: ELLIS-JONES, Patrick, George, Armine et al.; J.A. Kemp & Co., 14 South Square, Gray's Inn, London WC1R 5JJ (GB).

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(71) Applicant (for all designated States except US): ISIS INNOVATION LIMITED [GB/GB]; Ewert House, Ewert Place, Summertown, Oxford OX2 7SG (GB).

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(72) Inventors; and

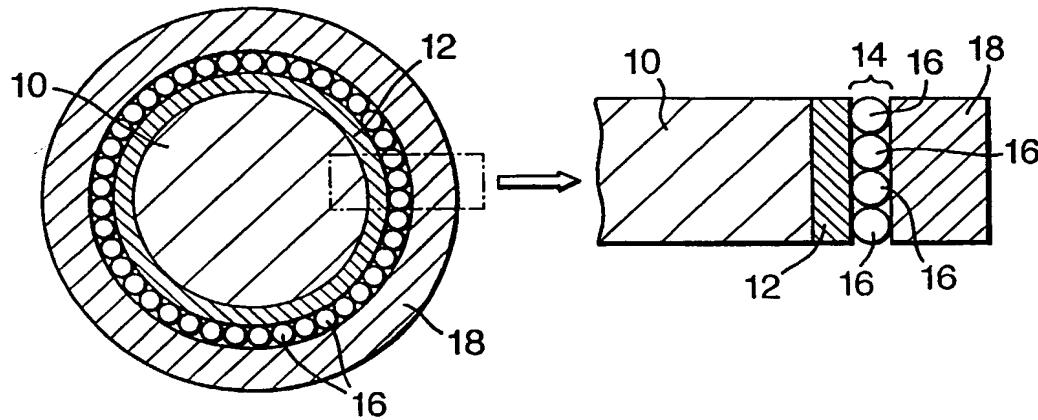
(75) Inventors/Applicants (for US only): DOBSON, Peter, James [GB/GB]; Department of Engineering Science, University of Oxford, Parks Road, Oxford OX1 3PJ (GB). TAYLOR, Robin, Nicholas [GB/GB]; 123 Newberries Avenue, Radlett, Hertfordshire WD7 7EN (GB).

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(54) Title: MAGNETIC PARTICLE AND PROCESS FOR PREPARATION



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(57) Abstract: A particle is disclosed which comprises a core surrounded by a shell which comprises a plurality of nanoparticles of a magnetic material, the shell being surrounded by a continuous outer shell which comprises a non-magnetic material. The particle can be prepared by a process comprising: a first step of providing a core; a second step of adsorbing an inner shell to the core; a third step of providing a plurality of nanoparticles of a magnetic material; a fourth step of adsorbing the nanoparticles to the inner shell; and a fifth step of synthesising an outer shell surrounding the particle. The particle can exhibit the effective bulk properties of a superparamagnetic particle, and the effective surface properties of a non-magnetic particle.